Control Menu Layout for 6450.3, 6451.3, 6452.3, 6453.3, 6472.3, 6473.3, 6474.3, 6475.3

Press and hold 'Enter' to enter the program menu or get to the security menu. Use the arrow up and down keys to adjust the security number. Press enter to test the security number.

Main Menu

→ Power Settings
  - Amplitude [0.0 to 100.0] %
  - Max Amplitude [100.0 to 40.0] %
  - Min Amplitude [0.0 to 95.0] %
  - Soft Start Time [0.0 to 10.0] Seconds
  - Amplitude Source [Manual, 0-10V, 4-20mA, Auto Tracking]
  - CFR Positive Gain [25 Default]
  - CFR Negative Gain [5 Default]

→ Frequency Settings
  - Frequency [30.0 to 140.0] Hz (Hertz)
  - Max Frequency [50.0 to 140.0] Hz
  - Min Frequency [30.0 to 130.0] Hz
  - Frequency Mode [Manual, Auto Tracking]
  - Auto Scan [Press ENTER to perform an automatic frequency scan]
  - Resonance Threshold Level [200 Default]
  - Auto Track Dead Band [16 Default]

→ Timer Settings
  - On Delay [0.0 to 20.0] Seconds
  - Off Delay [0.0 to 20.0] Seconds
  - Empty Bowl Timer [5 to 255] Seconds

→ I/O Interface
  - Sensor Polarity [Inverted, Normal]
  - Sensor Type [Auto, NPN, PNP]
  - Run Mode [Normal, Always On, 2-Speed, High/Low]
  - Empty Bowl [Normal, Stop]
  - Aux Output Mode [Normal, Inverted, Alarm, Inv Alarm, Air Jet]

→ Diagnostics
  - Software Version [Software Revision Level]
  - Accelerometer [data]
  - Over Amps [data, data]
  - DC Volts [data]

→ Security
  - Keypad Lock [Unlocked, Amplitude Only, Locked]
  - Security Code [000 to 999]

→ Defaults
  - Restore Settings 1 ['Enter' Restores User Settings 1]
  - Restore Settings 2 ['Enter' Restores User Settings 2]
  - Restore Settings 3 ['Enter' Restores User Settings 3]
  - Save Settings 1 ['Enter' Saves User Settings 1]
  - Save Settings 2 ['Enter' Saves User Settings 2]
  - Save Settings 3 ['Enter' Saves User Settings 3]
  - Factory Reset ['Enter' Resets Control to Factory Default Settings]

→ Language
  - Pick Language [English, Español (Spanish), Français (French), Deutsch (German)]

Normal Display Message Priority

Status Line Message Run/CFR R=1
CFR Set Point CFR=0:24.5 S=1
Amplitude A= 40.0% O=1
Frequency F= 60.0 Hz A=1

Run/CFR – Constant Feed Rate sensor is regulating the feed rate.

The normal operating display shows the status of the control with regard to input signals and control settings. They are listed from highest to lowest in priority. The highest priority message takes precedence over all other messages.

Stop/Run - The 1/0 button has been pushed to disable control operation.
Override - The 1/0 button has been pushed and held so the control will feed without interruption from the "Sensor" or "Run" inputs.
Run Input - The run jumper has not been not made.
Parts Sens - The parts sensor logic is telling the control to stay off.
Empty/jam - Empty bowl timer has timed out because parts did not pass by the parts sensor to reset the timer. Press 1/0
Analog - An external signal is in control of the speed input.
Low - Low Speed used when 2 speed has been selected and the sensor is not made.
Zero Speed - The output is off because the output is set to 0.0%.
Run – The feeder is running normally.